

ILC RF and Timing meeting
January 17, 2006, 8am

Location: Fermilab, WH2NW, Black Hole

Goals:

- Review and understand the rf and timing specifications for the ILC;
- Come out of this meeting with a proposal for an apportionment of the ILC rf and timing specifications (fractional contributions of five subsystems: Master Oscillator, timing distribution, LLRF, HLRF & rf distribution, cavities)
- Develop a list of high-level questions;
- Establish rf and timing specs for the Fermilab beam test facility;
- If there is sufficient interest: negotiate a common IF between the LLRF and the instrumentation groups;

Agenda:

Helen Edwards (FNAL): Introduction (10 min)

PT/Marc Ross (SLAC): ILC specifications on bunch arrival time jitter and beam energy (20 min)

Stefan Simrock (DESY): Overview of XFEL rf specifications, overlap with ILC specs (20 min)

John Carwardine (ANL): Thoughts on how this all is actually going to work (20 min)

Mike Church (FNAL): Fermilab's comments on ILC rf (phase and amplitude) specifications (20 min)

Sergei Nagaitsev (FNAL): Overview of Fermilab ILC beam test facility and its rf and timing specifications (15 min)

Frank Lenkszus (ANL): ILC Master Oscillator and timing distribution (20 min)

Marc Ross (SLAC): Instrumentation signal and timing requirements (15 min)

Brian Chase (FNAL): ILC LLRF requirements (15 min)

Justin Keung (U. of Pennsylvania): Status of ILC cavity simulator (20 min)

Ray Larsen (SLAC): ILC HLRF and rf distribution requirements (15 min)

Nikolay Solyak: ILC cavity requirements (rf amplitude and phase) (15 min)

Nigel Lockyer(U. of Pennsylvania) (convener): Discussion on apportionment of the specifications between subsystems